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Paper-thickness detector has end discrimination circuit which
distinguishes paper end from output condition of paper-thickness sensor
generated when paper end touches carrying-roller pair

Patent Assignee: CANON KK (CANO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001328748	A	20011127	JP 2000150539	A	20000522	200219 B

Priority Applications (No Type Date): JP 2000150539 A 20000522

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001328748	A	10		B65H-007/02	

Abstract (Basic): JP 2001328748 A

NOVELTY - The detector includes a paper-thickness sensor which
detects the roller space on both sides of a paper conveyed by two
carrying-rollers, and detects the thickness of the paper. An end
discrimination circuit distinguishes the end of the paper from the
output condition of the paper-thickness sensor generated when the paper
end touches the carrying-roller pair.

USE - For detecting paper thickness in e.g. image forming device.

ADVANTAGE - Offers a paper-thickness detector which can be
assembled easily and installed even in small space.

DESCRIPTION OF DRAWING(S) - The figure shows the electric block
diagram of the embodiment of the printer engine. (Drawing includes
non-English language text)

pp; 10 DwgNo 3/9

Title Terms: PAPER; THICK; DETECT; END; DISCRIMINATE; CIRCUIT; DISTINGUISH;
PAPER; END; OUTPUT; CONDITION; PAPER; THICK; SENSE; GENERATE; PAPER; END;
TOUCH; CARRY; ROLL; PAIR

Derwent Class: Q36; S02

International Patent Class (Main): B65H-007/02

International Patent Class (Additional): B65H-005/06; G01B-021/02

File Segment: EPI; EngPI

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